

Abstract

Method for Producing Metallic Flat Wires or Strips with a Cube Texture

5 The invention relates to the field of materials science and to a method for producing metallic flat wires or strips with a cube texture that can be used, for example, as a base for physical-chemical coatings.

The object of the invention is to provide a method by which the products can be
10 produced after the last forming step in their finished width without further processing of the edges.

The object is attained by a method wherein a material based on nickel, copper, gold, or silver is processed into a wire by means of a cold drawing method, achieving a
15 total cross-sectional reduction $\epsilon_g \geq 75\%$ or a logarithmic deformation $\phi_g \geq 1.4$, and the wire is then further processed by means of further forming and annealing methods into a flat wire or a strip with a cube texture and having a width that can be adjusted in a defined manner.